

Title (en)
INSTALLATION SYSTEM AND METHOD FOR MAPPING COMPONENTS OF A STRUCTURE

Title (de)
INSTALLATIONSSYSTEM UND VERFAHREN ZUR ABBILDUNG VON KOMPONENTEN EINER STRUKTUR

Title (fr)
SYSTÈME D'INSTALLATION ET PROCÉDÉ DE MAPPAGE DE COMPOSANTS D'UNE STRUCTURE

Publication
EP 3311355 A4 20190529 (EN)

Application
EP 16812487 A 20160617

Priority
• US 201562182205 P 20150619
• US 2016037985 W 20160617

Abstract (en)
[origin: WO2016205592A1] A position sensing construction system according to aspects of the disclosure may include a GPS system arranged to cover a jobsite, a local position sensing system in combination with the GPS system, tools equipped with position/movement sensors and communication capability, and software to record positions of installed building components. Local position sensing systems may utilize one or more known fixed points, the position of which is established by GPS or other techniques, and report the position of building components relative to the fixed positions. Installation tools are configured to deliver a position signal corresponding to the position of a building component after installation is completed. Software facilitates communication between system components, records position and other information from tools and generates maps of tagged locations that can be used during construction and later for repair and maintenance of the completed project. The positions and maps may be in three dimensions.

IPC 8 full level
G06Q 50/08 (2012.01); **B29C 65/34** (2006.01); **E04C 5/12** (2006.01); **G01C 15/00** (2006.01)

CPC (source: EP US)
E04B 1/26 (2013.01 - EP US); **G01C 15/00** (2013.01 - EP US); **G01S 19/13** (2013.01 - US); **E04B 1/388** (2023.08 - US); **E04B 2001/2644** (2013.01 - EP US); **E04B 2001/268** (2013.01 - EP US); **E04B 2001/2692** (2013.01 - EP US); **E04D 2015/042** (2013.01 - EP US); **G01S 19/41** (2013.01 - EP US)

Citation (search report)
• [XAYI] US 2014365259 A1 20141211 - DELPLACE JEAN-CHARLES [FR], et al
• [XI] US 2009326699 A1 20091231 - COFFLAND DONALD [US], et al
• [X] US 2012066019 A1 20120315 - HINSHAW FOSTER D [US], et al
• [Y] US 2015076139 A1 20150319 - CHALLITA ANTONIOS [US], et al
• [A] WO 2015082680 A1 20150611 - BOER WATERPROOFING SOLUTIONS NV DE [BE]
• See references of WO 2016205592A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
WO 2016205592 A1 20161222; AU 2016280171 A1 20180104; CA 2988629 A1 20161222; CN 107735810 A 20180223; EP 3311355 A1 20180425; EP 3311355 A4 20190529; JP 2018526656 A 20180913; US 2016371400 A1 20161222

DOCDB simple family (application)
US 2016037985 W 20160617; AU 2016280171 A 20160617; CA 2988629 A 20160617; CN 201680035513 A 20160617; EP 16812487 A 20160617; JP 2018517675 A 20160617; US 201615185126 A 20160617